Kimberly La Pierre

List of Publications by Year in Descending Order

67 papers	4,887 citations	29 h-index	69 g-index
71 ext. papers	6,641 ext. citations	9 avg, IF	4.86 L-index

#	Paper	IF	Citations
67	Opposing community assembly patterns for dominant and nondominant plant species in herbaceous ecosystems globally.. *Ecology and Evolution*, **2021**, 11, 17744-17761	2.8	0
66	Grand challenges in biodiversity-ecosystem functioning research in the era of science-policy platforms require explicit consideration of feedbacks. *Proceedings of the Royal Society B: Biological Sciences*, **2021**, 288, 20210783	4.4	2
65	Defining codominance in plant communities. *New Phytologist*, **2021**, 230, 1716-1730	9.8	0
64	Determinants of community compositional change are equally affected by global change. *Ecology Letters*, **2021**, 24, 1892-1904	10	3
63	Increasing effects of chronic nutrient enrichment on plant diversity loss and ecosystem productivity over time. *Ecology*, **2021**, 102, e03218	4.6	13
62	Negative effects of nitrogen override positive effects of phosphorus on grassland legumes worldwide. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	5
61	Temporal rarity is a better predictor of local extinction risk than spatial rarity. *Ecology*, **2021**, 102, e03504	4.6	1
60	Plant functional types drive differential responses of grassland ecosystem functions along a precipitation gradient. *Ecological Indicators*, **2021**, 133, 108433	5.8	0
59	Nutrient identity modifies the destabilising effects of eutrophication in grasslands.. *Ecology Letters*, **2021**,	10	1
58	Do tradeoffs govern plant species responses to different global change treatments?. *Ecology*, **2021**, e3626	4.6	1
57	Nutrients cause grassland biomass to outpace herbivory. *Nature Communications*, **2020**, 11, 6036	17.4	10
56	Effects of white-tailed deer exclusion on the plant community composition of an upland tallgrass prairie ecosystem. *Journal of Vegetation Science*, **2020**, 31, 899-907	3.1	1
55	Dominant native and non-native graminoids differ in key leaf traits irrespective of nutrient availability. *Global Ecology and Biogeography*, **2020**, 29, 1126-1138	6.1	4
54	More Than a Functional Group: Diversity within the Legume-Rhizobia Mutualism and Its Relationship with Ecosystem Function. *Diversity*, **2020**, 12, 50	2.5	17
53	TRY plant trait database - enhanced coverage and open access. *Global Change Biology*, **2020**, 26, 119-188	11.4	399
52	Invasive legume management strategies differentially impact mutualist abundance and benefit to native and invasive hosts. *Restoration Ecology*, **2020**, 28, 378-386	3.1	3
51	Mass ratio effects underlie ecosystem responses to environmental change. *Journal of Ecology*, **2020**, 108, 855-864	6	14

50	Improving collaborations between empiricists and modelers to advance grassland community dynamics in ecosystem models. *New Phytologist*, **2020**, 228, 1467-1471	9.8	1
49	Temporal variability in production is not consistently affected by global change drivers across herbaceous-dominated ecosystems. *Oecologia*, **2020**, 194, 735-744	2.9	5
48	General destabilizing effects of eutrophication on grassland productivity at multiple spatial scales. *Nature Communications*, **2020**, 11, 5375	17.4	23
47	Belowground Biomass Response to Nutrient Enrichment Depends on Light Limitation Across Globally Distributed Grasslands. *Ecosystems*, **2019**, 22, 1466-1477	3.9	17
46	Demystifying dominant species. *New Phytologist*, **2019**, 223, 1106-1126	9.8	62
45	Global change effects on plant communities are magnified by time and the number of global change factors imposed. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 17867-17873	11.5	69
44	Effects of nutrient supply, herbivory, and host community on fungal endophyte diversity. *Ecology*, **2019**, 100, e02758	4.6	13
43	Leaf nutrients, not specific leaf area, are consistent indicators of elevated nutrient inputs. *Nature Ecology and Evolution*, **2019**, 3, 400-406	12.3	49
42	A comprehensive approach to analyzing community dynamics using rank abundance curves. *Ecosphere*, **2019**, 10, e02881	3.1	27
41	Temporal heterogeneity increases with spatial heterogeneity in ecological communities. *Ecology*, **2018**, 99, 858-865	4.6	44
40	Local loss and spatial homogenization of plant diversity reduce ecosystem multifunctionality. *Nature Ecology and Evolution*, **2018**, 2, 50-56	12.3	97
39	Ambient changes exceed treatment effects on plant species abundance in global change experiments. *Global Change Biology*, **2018**, 24, 5668-5679	11.4	21
38	Spatial heterogeneity in species composition constrains plant community responses to herbivory and fertilisation. *Ecology Letters*, **2018**, 21, 1364-1371	10	20
37	Asynchrony among local communities stabilises ecosystem function of metacommunities. *Ecology Letters*, **2017**, 20, 1534-1545	10	72
36	Nutrient addition shifts plant community composition towards earlier flowering species in some prairie ecoregions in the U.S. Central Plains. *PLoS ONE*, **2017**, 12, e0178440	3.7	8
35	Increased grassland arthropod production with mammalian herbivory and eutrophication: a test of mediation pathways. *Ecology*, **2017**, 98, 3022-3033	4.6	30
34	Out of the shadows: multiple nutrient limitations drive relationships among biomass, light and plant diversity. *Functional Ecology*, **2017**, 31, 1839-1846	5.6	30
33	Invasive legumes can associate with many mutualists of native legumes, but usually do not. *Ecology and Evolution*, **2017**, 7, 8599-8611	2.8	16

32	Nitrogen deposition promotes phosphorus uptake of plants in a semi-arid temperate grassland. *Plant and Soil*, **2016**, 408, 475-484	4.2	25
31	Addition of multiple limiting resources reduces grassland diversity. *Nature*, **2016**, 537, 93-96	50.4	225
30	Divergent Effects of Nitrogen Addition on Soil Respiration in a Semiarid Grassland. *Scientific Reports*, **2016**, 6, 33541	4.9	27
29	Nutrient additions cause divergence of tallgrass prairie plant communities resulting in loss of ecosystem stability. *Journal of Ecology*, **2016**, 104, 1478-1487	6	25
28	Drivers of Variation in Aboveground Net Primary Productivity and Plant Community Composition Differ Across a Broad Precipitation Gradient. *Ecosystems*, **2016**, 19, 521-533	3.9	34
27	Soil nutrient additions increase invertebrate herbivore abundances, but not herbivory, across three grassland systems. *Oecologia*, **2016**, 180, 485-97	2.9	17
26	Climate modifies response of non-native and native species richness to nutrient enrichment. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2016**, 371,	5.8	25
25	Differential sensitivity to regional-scale drought in six central US grasslands. *Oecologia*, **2015**, 177, 949-57	2.9	161
24	Global environmental change and the nature of aboveground net primary productivity responses: insights from long-term experiments. *Oecologia*, **2015**, 177, 935-47	2.9	38
23	Characterizing differences in precipitation regimes of extreme wet and dry years: implications for climate change experiments. *Global Change Biology*, **2015**, 21, 2624-2633	11.4	169
22	Anthropogenic nitrogen deposition predicts local grassland primary production worldwide. *Ecology*, **2015**, 96, 1459-1465	4.6	97
21	Stoichiometric homeostasis predicts plant species dominance, temporal stability, and responses to global change. *Ecology*, **2015**, 96, 2328-35	4.6	65
20	Functional trait expression of grassland species shift with short- and long-term nutrient additions. *Plant Ecology*, **2015**, 216, 307-318	1.7	24
19	Consistent responses of soil microbial communities to elevated nutrient inputs in grasslands across the globe. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 10967-72	11.5	649
18	Plant speciesaorigin predicts dominance and response to nutrient enrichment and herbivores in global grasslands. *Nature Communications*, **2015**, 6, 7710	17.4	94
17	Plant diversity predicts beta but not alpha diversity of soil microbes across grasslands worldwide. *Ecology Letters*, **2015**, 18, 85-95	10	394
16	A framework for quantifying the magnitude and variability of community responses to global change drivers. *Ecosphere*, **2015**, 6, art280	3.1	37
15	Invertebrate, not small vertebrate, herbivory interacts with nutrient availability to impact tallgrass prairie community composition and forb biomass. *Oikos*, **2015**, 124, 842-850	4	22

14	Eutrophication weakens stabilizing effects of diversity in natural grasslands. *Nature*, **2014**, 508, 521-5	50.4	283
13	Phytoplankton composition modifies predator-driven life history evolution in Daphnia. *Evolutionary Ecology*, **2014**, 28, 397-411	1.8	14
12	Changes in plant community composition, not diversity, during a decade of nitrogen and phosphorus additions drive above-ground productivity in a tallgrass prairie. *Journal of Ecology*, **2014**, 102, 1649-1660	6	96
11	Herbivores and nutrients control grassland plant diversity via light limitation. *Nature*, **2014**, 508, 517-20	50.4	473
10	Anthropogenic-based regional-scale factors most consistently explain plot-level exotic diversity in grasslands. *Global Ecology and Biogeography*, **2014**, 23, 802-810	6.1	27
9	Predicting invasion in grassland ecosystems: is exotic dominance the real embarrassment of richness?. *Global Change Biology*, **2013**, 19, 3677-87	11.4	55
8	Seasonal, not annual precipitation drives community productivity across ecosystems. *Oikos*, **2013**, 122, 727-738	4	79
7	Past, Present, and Future Roles of Long-Term Experiments in the LTER Network. *BioScience*, **2012**, 62, 377-389	5.7	97
6	Response to Comments on "Productivity Is a Poor Predictor of Plant Species Richness". *Science*, **2012**, 335, 1441-1441	33.3	27
5	Abundance of introduced species at home predicts abundance away in herbaceous communities. *Ecology Letters*, **2011**, 14, 274-81	10	78
4	Explaining temporal variation in above-ground productivity in a mesic grassland: the role of climate and flowering. *Journal of Ecology*, **2011**, 99, 1250-1262	6	49
3	Productivity is a poor predictor of plant species richness. *Science*, **2011**, 333, 1750-3	33.3	386
2	Strong feeding preference of an exotic generalist herbivore for an exotic forb: a case of invasional antagonism. *Biological Invasions*, **2010**, 12, 3025-3031	2.7	12
1	Nutrient enrichment increases invertebrate herbivory and pathogen damage in grasslands. *Journal of Ecology*,	6	2